

MINI BOX CAMERA SK-B260/G1 MANUAL

FEATURES

1. You can adjust all functions by OSD.
2. This camera supports supreme resolution,(600TVL)
3. This camera has "non-polarity" function.
You can connect 12V DC regardless polarity.
4. Practical small size.

CAUTION AND WARNING

1. Do not install the camera outdoors.
Use weatherproof housing for outdoor.
2. Choose an ideal location for the camera, since the camera unit must be protected against moisture and vibration.
3. Be careful not to scratch the camera unit, especially lens glass.
4. Use the camera under proper temperature.
(-10°C ~ +50°C)
5. Handle with care. Dropping it can cause serious damage to the camera.
6. Avoid any direct sun light into the lens.
7. Use the adaptor regulated 12V DC, 300mA.

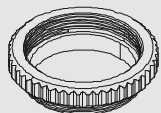


If the product is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

DESCRIPTION OF OPERATION

1. Remove the protective rubber before installing a CS mount lens.(If you use a C mount lens, add a C mount ring,-option)
2. Connect the video output jack to the monitor video in jack.
3. Connect power supply. Check the voltage.

ACCESSORIES

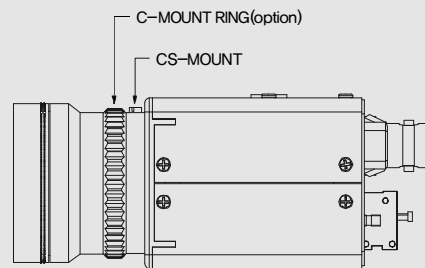


C MOUNT RING -(option)

LENS CONNECTION

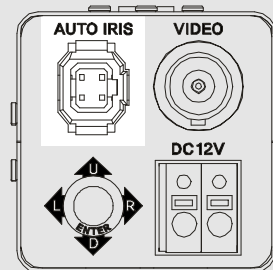
1. Manual iris lens

- 1) Before mounting a lens, please check whether it is a C mount or CS mount lens.
- 2) CS mount lens : After removing the protective rubber, attach the lens.
- 3) C mount lens : Before installing the lens, attach the C mount ring to the camera.
- 4) Set the LENS mode to "manual" by OSD.



2. Auto iris lens

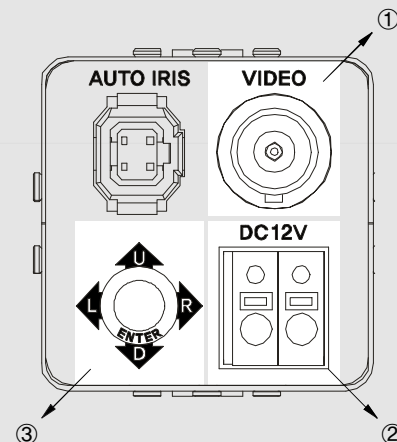
- 1) Attach a DC lens as like the manual lens connection.
- 2) Connect the lens plug to the auto iris lens connector on the rear panel of the camera.
- 3) Set the LENS mode to DC and adjust DC level by OSD.



DC-TYPE	
① DAMP COIL -	
② DAMP COIL +	
③ DRIVE COIL +	
④ DRIVE COIL -	

※The lens is not supplied with this camera.

OVERVIEW



①Video output :

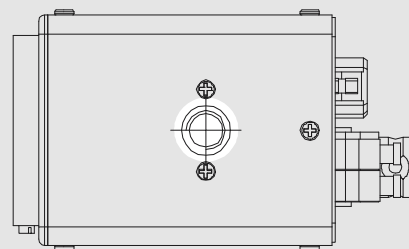
Used to connect the video monitor.

②Power input terminal :

Used to connect a 12V DC power supply only.
(Non-polarity)

③Menu setup jog lever :

- ENTER : Used to access the menu and confirm selection.
- Up, Down : Used to move the cursor to up or down.
- Left, Right : Used to move the cursor to left or right and change the value.

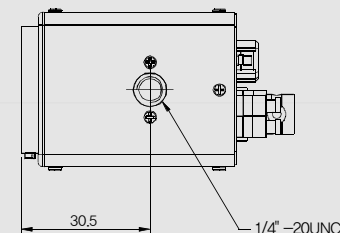
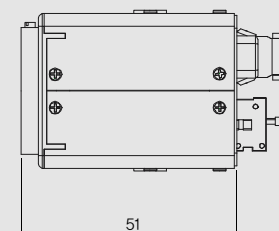
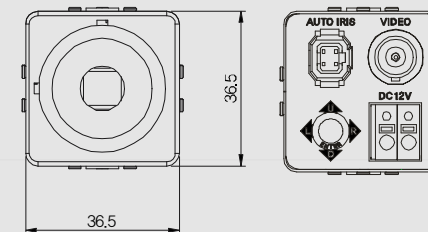


Mounting hole

1/4"-20UNC(20THREAD)

L : 4.5mm±0.2mm(ISO standard)

DIMENSION



TROUBLESHOOTING GUIDE

Before calling service, check the following points for possible misuse.

Problem	Check point
Too dark or bright picture	Readjust the contrast or brightness controls on the monitor.
No Power	Check for power connection.
Poor picture quality	Clean the camera lens. Readjust lens focus.
Shrinking picture	Check the condition of the power sources.

If you can't correct the problem after going through this chart, contact a service professional for further assistance.

SPECIFICATON

Model No.	SK-B260/G1
Image Sensor	1/3" COLOR SONY SUPER HAD CCD II
Effective Pixel	768(H) x 494(V)Pixel(NTSC) 752(H) x 582(V)Pixel(PAL)
Cell Size	6.35 μ m(H) x 7.4 μ m(V)(NTSC) 6.5 μ m(H) x 6.25 μ m(V)(PAL)
Resolution	Color : 600 TV-Line, B/W : 680 TV-Line
TV Type	NTSC / PAL
Sync. Type	Internal
Scanning System	2 : 1 Interlace
Video Output	1.0Vp-p(Sync, Negative) Termination 75 Ω
Gamma Characteristic	$\gamma = 0.45$ Typ.(Adjustable)
Min. Illumination	0.1 Lux(at F/1.2)
Day & Night	Electronic D&N
S/N Ratio	48dB over(AGC OFF)
Test Illuminance Area	Average test illuminance by front view
Shutter	1/50(1/60) ~ 1/100,000 sec
Power Supply	Regulated 12V DC
Current Consumption	Max. 105mA(at 12V DC)
Reverse Polarity Protection	Non-polarity
LENS	CS Mount
Operation Temp.	-10°C ~ 50°C
Preservation Temp.	-20°C ~ 60°C
Dimension	36.5mm(W) x 36.5mm(H) x 51mm(L)
Weight	Approx. 100g

OSD MENU

Function setting menu	Select menu	Sub menu	Contents
1. EXPOSURE	LENS	MANUAL, DC	Fixed focal lens or Vari-focal auto iris lens
	BRIGHT	0 ~ 100	In case of manual lens selection, adjust the brightness
	E.SHUTTER	AUTO	Shutter speed auto adjustable
		1/60(1/50) ~ 1/100,000	Select shutter speed manually
	AGC	OFF, LOW, MIDDLE, HIGH	Determines that use the AGC function or not and AGC level selectable(You can not use the Auto D&N change mode when AGC is off)
	DWDR	OFF, LOW, MIDDLE, HIGH	Digital Wide Dynamic Range
	BLC	OFF, ON	BLC function
	HLC	OFF, ON, AUTO	High Light Mask function In case of AUTO mode, the function will off in daytime and on at night
2. WHITE BALANCE	AWB MODE	ATW	Color temperature 2500 ~ 9500°K
		MANUAL	Adjust the Red or Blue values to shift the color of the object
		AWC ↓	Move the camera lens toward to white paper then press the enter button to find the optimal white balance for current environment
3. DAY&NIGHT	D&N MODE	AUTO	Auto day&night switching mode
		COLOR	Fixed at color
		B&W	Fixed at B/W
	BURST	OFF, ON	Determines whether to transmit the burst signal or not in B/W mode
	COLOR→BW BW→COLOR	75 ~ 170 40 ~ 135	You can select brightness of illumination about changing the day ↔ night mode
4. IMAGE ADJUST	DELAY TIME	3 ~ 15	You can select the duration time about chainging the day ↔ night mode
	MIRROR	OFF, ON	Set a horizontal image inversion
	SHARPNESS	0 ~ 50	Sharpness adjustable
	GAMMA	0.45, 0.6, 1, USER	Gamma adjustable
	LSC	OFF, ON	Determines whether to use the brightness compensation of four lens' corners(LSC) or not
	LSC LEVEL	0 ~ 50	The LSC level selectable
	R-Y GAIN	0 ~ 200	Adjust Red tone of the image
	B-Y GAIN	0 ~ 200	Adjust Blue tone of the image
	PATTERN GENERATOR↓		Test signal. Press the enter button, color bar appeared on the screen and press any key to return to menu

5. MOTION	MOTION	OFF, ON	Determines whether to use the motion detection function or not
	DISPLAY	NONE	No display on the screen though movement is detected
		MESSAGE	The words 'MOTION' appear on the screen when movement is detected
		MASK	Motion detection area appear on the screen when movement is detected
	SET WINDOW↓	Press the enter button to move into the motion detection area section to set the 64 areas. Press the enter button for a few second to move out.	
	ALL SET ↓	Press the enter button to select all area	
	ALL CLEAR ↓	Press the enter button to remove all area	
	SENSITVITY	0 ~ 255	Motion detection sensitivity
	HOLD TIME	1 ~ 15	Set the duration of outside alarm. If the way of display is message, it means display time of message
6. PRIVACY MASK	MASK 1, 2, 3, 4	OFF, ON↓	Display each privacy mask or not. Press the enter button to move into the privacy mask setting section, whenever you press the enter button, the mask color is changed. When the mask color is red you can adjust the size by up, down, left and right button. When the mask color is blue you can set the position of mask by up, down, left and right button. Press the enter button for a few second to escape
	MASK COLOR	BLACK, GRAY ...	Select mask color
8. SPECIAL	LANGUAGE	ENGLISH, KOREA ...	Select language
	NAME DISPLAY	OFF, ON	Display the camera ID on the screen
	EDIT↓	Press the enter button to move into the name setting section. You can choose the letter by using up and down button and move next letter by using left and right button. Press the enter button for a few second to move out.	
	POSITION↓	Press the enter button to move into the position setting section. You can move the camera ID to your wanted position by using up, down, left and right button.	
9. FACTORY SET	To reset your camera to factory default condition. Notice : Lens and language is not changed.		
10. EXIT	Save the value and then restart.		